

2131.
REPORT OF CHANNEL CONDITIONS
400 FEET WIDE OR GREATER
(ER 1130-2-306)

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DATE 5 April 2010

TO: The Record

FROM: U.S. Army Corps of Engineers
 26 Federal Plaza, ATTN: CENAN-OP-ST
 New York, NY 10278-0090

RIVER/HARBOR NAME AND STATE: New York and New Jersey Channels,
 Constable Hook Reach to Gulf Port Reach

**MINIMUM DEPTHS IN
 CHANNEL ENTERING FROM SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)				

ARTHUR KILL

Gulf Port Reach (Partial) From a point 400 ft south of Goethals Bridge to a point 800 feet north of B&O RR Bridge	Map 1323, Pg 14 & 15 of 15; December 2009 & January 2010	500 - 600	0.33	35	34.9	37.2	37.7	32.7
Elizabeth Port Reach: From a point 800 feet north of the B&O RR Bridge to a point 150 feet west of RED NUN #24	Map 1323, Pg 13 thru 14 of 15; December 2009 & January 2010	600 - 800	0.91	35	40.9	43.6	43.4	40.7
North of Shooters Island Reach: From a point 150 feet west of RED NUN #24 to a point abeam of RED NUN #18	Map 1323, Pg 11 & 12 of 15; December 2009 & January 2010	600	0.97	35	40.8	42.2	40.9	38.4

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Bergen Point West Reach: From a point abeam RED NUN #18 to a point 30 feet west of RED LIGHTED #12	Map 1323, Pg 9 thru 11 of 15; December 2009 & January 2010	800 - 1,150	1.12	45	50.2	52.5	52.1	49.6
Bergen Point East Reach: From a point 30 feet west of RED LIGHTED #12 to a point 1800 feet west of GREEN LIGHTED #9	Map 1323, Pg 7 thru 9 of 15; December 2009 & January 2010	800	1.09	45	48.9	53.0	52.9	50.5
Constable Hook Reach: From a point 1,800 west of GREEN LIGHTED #9 to a point 3,200 feet east of GREEN LIGHTED #1	Map 1323, Pg 2 thru 7 of 15; December 2009 & January 2010	800 - 2,000	2.52	45	44.6	46.2	46.9	44.4

REMARKS:

- All depths in Mean Low Water
- Channel length is in nautical miles

ARTHUR KILL

- **Gulf Port Reach (Partial):** Minimal shoaling along the left outside quarter about 545 feet seaward from the B&O RR Bridge. Shoaling is also present in the right outside quarter approximately 120 feet seaward of the B&O RR Bridge.
- **Elizabeth Port Reach:** No shoaling in this reach of the channel.
- **North of Shooters Island Reach:** No shoaling in this reach of the channel.

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- **Bergen Point West Reach:** No shoaling in this reach of the channel.
- **Bergen Point East Reach:** No shoaling in this reach of the channel.
- **Constable Hook Reach:** There is minor shoaling in the left outside quarter of the channel starting approximately 380 feet landward of GREEN LIGHTED #9 and extends about 110 feet seaward.